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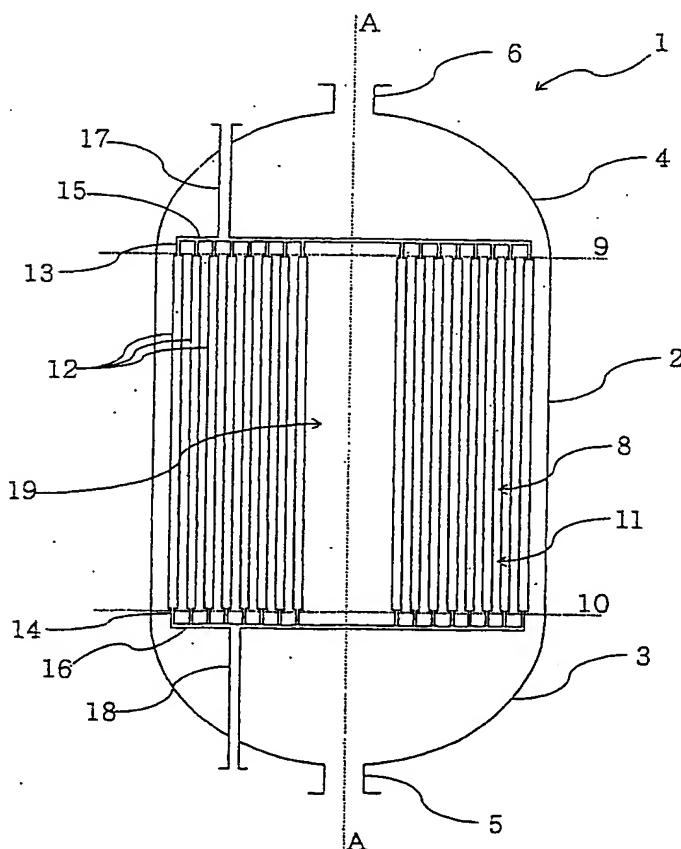
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[Continued on next page]

(54) Title: PSEUDO-ISOTHERMAL CATALYTIC REACTOR



(57) Abstract: Pseudo-isothermal chemical reactor  
(1) for catalytic reactions with a vertical axis,  
comprising a substantially cylindrical shell (2), Closed  
at the opposite ends by upper (4) and lower (3)  
bottoms respectively, a reaction zone (8) in which  
a catalytic bed (11) and a plurality of flat, boxed,  
plate-shaped heat exchangers (12), having the shape  
of a parallelepiped and having long sides parallel  
to said vertical axis and short sides perpendicular  
to it, situated in said reaction zone and supported  
in an arrangement on parallel cords at a predetermined  
distance.

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